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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 4

Complete if Known

Application Number	09/853,370
Filing Date	05-11-2001
First Named Inventor	Donald S. Gardner
Art Unit	2832
Examiner Name	Not yet assigned
Attorney Docket Number	42390P11265

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TIN		US- 3881244	05-06-1975	Kendall	
		US- 5095357	03-10-1992	Andoh et al.	
		US- 5635892	06-03-1997	Ashby et al.	
		US- 5801100	09-01-1998	Lee et al.	
TIN		US- 5877533	03-02-1999	Arai et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. 1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
TIN	✓	EP 0 725 407 - A1	08-07-1996	IBM Corporation		
TIN	✓	WO 01/39220 - A1	05-31-2001	Intel Corporation		
TIN	/	JP 07-272932	10-20-1995	Canon Inc.		

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
TTN		K. SHIRAKAWA, ET AL., "Thin Film Cloth-Structured Inductor For Magnetic Integrated Circuit," IEEE Transactions on Magnetics, September 1990, pp. 2262-2264, Vol. 26, No. 5.	✓
TTN		M. YAMAGUCHI, ET AL., "Characteristics Of Magnetic Thin-Film Inductors At Large Magnetic Field," IEEE Transactions on Magnetics, November 1995, pp. 4229-4231, Vol. 31, No. 6.	✓
TTN		E. BRANDON, ET AL., "Microinductors For Spacecraft Power Electronics," Magnetic Materials, Processes, and Devices VI Applications to Storage and Microelectromechanical Systems (MEMS), 2001, pp. 559-567, Vol. 2000-29, The Electrochemical Society, Inc., Pennington, New Jersey. <i>No MONTH</i>	✓
		ERIK J. BRANDON, "Passive Components For Systems-On-A-Chip Applications," Center for Integrated Space Microsystems, Jet Propulsion Laboratory.	✓
TTN		S.S. MOHAN, ET AL., "Simple Accurate Expressions For Planar Spiral Inductances," IEEE Journal of Solid-State Circuits, October 1999, pp. 1419-1424, Vol. 34, No. 10.	✓
		JOACHIM N. BURGHARTZ, "Integrated Multilayer RF Passives in Silicon Technology," IBM Research Division, Yorktown Heights, NY.	✓
TTN		JAE YEONG PARK, ET AL., "Batch-Fabricated Microinductors With Electroplated Magnetically Anisotropic and Laminated Alloy Cores," IEEE Transactions on Magnetics, September 1999, pp. 4291-4300, Vol. 35, No. 5.	✓
		M. YAMAGUCHI, ET AL., "MGHz-Drive Magnetic Thin-Film Inductors For RF Integrated Circuits Using Micro-Patterned Granular Film" IEEE, 1990. <i>No MONTH</i>	✓
		ALI M. NIKNEJAD and ROBERT G. MEYER, "Analysis, Design, and Optimization of Spiral Inductors and Transformers for Si RF IC's," IEEE Journal of Solid-State Circuits, October 1998, pp. 1470-1481, Vol. 33, No. 10.	✓
		DONALD S. GARDNER and PAUL A. FLINN, "Mechanical Stress As A Function Of Temperature For Aluminum Alloy Films," Journal of Applied Physics, February 15, 1990, pp. 1831-1845, Vol. 67.	✓
TTN		M. BABA, ET AL., "GHz-Drive Magnetic Thin-Film Inductor Using CoNbZr Film," Journal of the Magnetics Society of Japan, 2000. <i>No MONTH</i>	✓

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Sheet 3 of 4	Attorney Docket Number	42390P11265	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
OTRE JUN 17 2002 PATENT & TRADEMARK OFFICE		Y. KOBAYASHI, ET AL., "New Type Micro Cloth-Inductor And Transformer With Thin Amorphous Wires And Multi-Thin Coils," IEEE Transactions on Magnetics, September 1992, pp. 3012-3014, Vol. 28, No. 5.	/
		H. MATSUKI and K. MURAKAMI, "A New Cloth Inductor Using Amorphous Fiber," IEEE Transactions on Magnetics, September 1985, pp. 1738-1740, Vol. MAG-21, No. 5.	/
		V. KORENIVSKI and R.B. VAN DOVER, "Magnetic Film Inductors For Radio Frequency Applications," Journal of Applied Physics, November 15, 1997, pp. 5247-5254, Vol. 82.	/
		M. YAMAGUCHI, ET AL., "Microfabrication And Characteristics Of Magnetics Thin-Film Inductors In The Ultrahigh Frequency Region," Journal of Applied Physics, June 1, 1999, pp. 7919-7922, Vol. 85, No. 11.	/
		JOHN R. LONG and MILES A. COPELAND, "The Modeling, Characterization, And Design Of Monolithic Inductors For Silicon RF IC's," IEEE Journal of Solid-State Circuits, March 1997, pp. 357-369, Vol. 32, No. 3.	/
		M. YAMAGUCHI, ET AL., "Magnetic Thin-Film Inductor For RF Integrated Circuits," Extended Abstracts of the 1999 International Conference on Solid-State Devices and Materials, 1999, pp. 580-281, Tokyo.	/
		T. SATO, ET AL., "New Applications of Nanocrystalline Fe(Co-Fe)-Hf-O Magnetic Films To Micromagnetic Devices," Journal of Applied Physics, June 1, 1998, pp. 6658-6660, Vol. 83, No. 11.	/
TTN		A. FESSANT, ET AL., "Influence Of In-Plane Anisotropy And Eddy Currents On The Frequency Spectra Of The Complex Permeability Of Amorphous CoZr Films," IEEE Transactions of Magnetics, January 1993, pp. 82-87, Vol. 29, No. 1.	/
		JOACHIM N. BURGHARTZ, "Progress In RF Inductors On Silicon - Understanding Substrate Losses," IBM Research Division, Yorktown Heights, NY.	/
TTN		S. YABUKAMI, ET AL., "Noise Analysis Of A MHz-3 GHz Magnetic Thin Film Permeance Meter," Journal of Applied Physics, April 15, 1999, pp. 5148-5150, Vol. 85, No. 8.	/
		JAE PARK and MARK G. ALLEN, "Bar-Type Microinductors and Microtransformers With Electroplated Alloy Cores," Magnetic Devices Research, sponsored by Packaging Research Center.	/

Examiner Signature	<i>Taylor Nguyen</i>	Date Considered	10/19/02
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OIP	1	ERIK BRANDON, "System On A Chip Integrated Passive Components (μIRS)"	✓
TTN	1	MASAHIRO YAMAGUCHI, "Magnetic Films For Planar Inductive Components And Devices," Handbook of Thin Film Devices, edited by M.H. Francombe, 2000, pp. 185-186, Vol. 4: Magnetic Thin Film Devices.	✓
TTN	2	S.S. MOHAN, ET AL., "Bandwidth Extension In CMOS With Optimized On-Chip Inductors," IEEE Journal of Solid-State Circuits, March 2000, pp. 346-355, Vol. 35, No. 3.	✓
	3	S.S. MOHAN, ET AL., "Modeling And Characterization Of On-Chip Transformers," Center for Integrated Systems, Stanford University, Stanford, CA 94305.	✓
	4	M.M. MOJARRADI, ET AL., "Power Management And Distribution For System On A Chip For Space Applications," Jet Propulsion Laboratory, California Institute of Technology, under a contract with the National Aeronautics and Space Administration, Paper 438-284.	✓
TTN	5	TERENCE O'DONNELL, ET AL., "Microtransformers and Inductors Using Permalloy Thin Films," Preparation, Properties, and Applications of Thin Ferromagnetic Films, June 2000, pp. 45-52.	✓
TTN	6	C. PATRICK YUE and S. SIMON WONG, "On-Chip Spiral Inductors With Patterned Ground Shields For Si-Based RF IC's," IEEE Journal of Solid-State Circuits, May 1998, pp. 743-752, Vol. 33, No. 5.	✓
	7	DONALD S. GARDNER, United States Patent Application for "Method and Apparatus for Providing Inductor for Integrated Circuit or Integrated Circuit Package".	

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